

Appl. No. 10/629,926
Amdt. dated 9/12/07
Reply to Office action of 6/12/07

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CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended). A device for releasing chemical/physical parameters, the device comprising:

an applicator for flexibly applying to an entire body or body parts, said applicator being made of flexible material and having at least two layers defining a space therebetween with at least two closed chambers or channels laterally adjacent one another, each chamber or channel being independently and individually fillable with fluidic media for independently and individually releasing the chemical/physical parameters;

~~at least one of said layers being formed with at least one channel being fillable with fluidic media, said at least one channel being permeable or semipermeable for releasing the fluidic media;~~

one of said layers being configured to face the body or body parts and being provided with openings for releasing fluidic media to the body or body parts;

a control device connected to said applicator for controlling functional parameters, including a flow volume, a temperature, and a pressure, of the medium in said space; and

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sensors connected to said control device, the media in the respective chambers or channels being controlled by said control device in dependence on the body parameters detected by said sensors.

Claim 2 (original). The device according to claim 1, wherein said sensors are biosensors for detecting body parameters of a body adjoining said applicator.

Claim 3 (original). The device according to claim 2, wherein said body parameters include a body temperature and an EKG output.

Claim 4 (original). The device according to claim 1, wherein said chambers are connected via closable openings.

Claim 5 (original). The device according to claim 1, wherein said chambers or channels are disposed in vicinity next to one another or below one another.

Claims 6 -7 (canceled)

Claim 8 (currently amended). The device according to claim 6 1, wherein said at least one layer is formed with openings, pores, valves, or semipermeable weaves.

Claim 9 (original). The device according to claim 1, wherein at least one layer of said applicator is impermeable to the fluidic media in said chambers or channels.

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Claim 10 (original). The device according to claim 9, wherein said at least one layer is averted from the body part.

Claims 11 – 12 (canceled).

Claim 13 (previously presented). The device according to claim 1, wherein said at least one channel is formed with openings.

Claim 14 (original). The device according to claim 13, wherein said openings are permeable on one side or said openings are permeable on both sides.

Claim 15 (previously presented). The device according to claim 1, wherein said at least one channel for the fluidic media is impermeable.

Claim 16 (previously presented). The device according to claim 1, wherein said at least one channel is disposed at a layer of said applicator facing the body part.

Claim 17 (previously presented). The device according to claim 1, wherein said channel is one of a plurality of channels detachably attached to a layer of said applicator.

Claim 18 (previously presented). The device according to claim 1, wherein said channel is one of a plurality of channels extending one inside another.

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Claim 19 (original). The device according to claim 1, wherein each of said chambers is subdivided into additional mutually communicating subchambers.

Claim 20 (original). The device according to claim 1, wherein said control device is connected to valves in feed lines for said fluidic media, for controlling a flowthrough volume of the fluidic media.

Claim 21 (original). The device according to claim 1, wherein said layers of said applicator are produced from flexible material.

Claim 22 (original). The device according to claim 1, wherein said layers of said applicator are produced from a material selected from the group consisting of orientated polytetrafluoroethylene and polyvinylchloride.

Claim 23 (original). The device according to claim 1, wherein said applicator is disposed in a dimensionally stable casing surrounding the body or body parts at least partially.

Claim 24 (original). The device according to claim 23, wherein said sensors are disposed inside said stable casing.

Claim 25 (new). The device according to claim 1, wherein at least one of said layers is formed with at least one further channel being fillable with gaseous and/or liquid media.

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Claim 26 (new). The device according to claim 25, wherein said at least one further channel is permeable or semipermeable for releasing the gaseous and/or liquid media to the body or body parts.

Claim 27 (new). The device according to claim 1, wherein said openings release liquid media to the body or body parts.